

**Notice of Allowability**

Application No.

10/020,120

Examiner

Un C Cho

Applicant(s)

DI PASQUALE ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3 January 2005.
2. ☒ The allowed claim(s) is/are 1,2,4-13 and 15-22.
3. ☒ The drawings filed on 03 January 2005 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____.   |

**DETAILED ACTION**

***Allowable Subject Matter***

1. Claims 1, 2, 4 – 13, 15 – 22 are allowed.
2. The following is an examiner's statement of reasons for allowance:

Regarding claim 1, Pfundstein discloses a method for determining a temporary mobile subscriber identity generation field value (GP-IX, generation parameter index) for use comprising: determining a minimum integer amount that is higher (incremented value of GP-IX) than temporary mobile subscriber identity generation field values associated with predetermined mobile subscribers (Pfundstein, Col. 4, lines 3 – 7) and adjusting the temporary mobile subscriber identity generation field value as a function of the minimum integer amount (replace the previous GP-IX value with the newly incremented value of GP-IX, Pfundstein, Col. 4, lines 7 – 13).

However, Pfundstein, Holmes, Monrad, Sawyer, Patel and Wan either alone or in combination fails to disclose determining the minimum integer amount comprises: determining a probability density as a function of temporary mobile subscriber identity generation value; integrating the probability density across an entire range of temporary mobile subscriber identity generation values to determine a total integral; and determining the minimum integer amount such that an integral of the probability density from zero to the minimum integer amount yields a smaller integral that is the predetermined percentage of the total integral.

Regarding claim 12, the claim is interpreted and allowed for the same reason as set forth in claim 1.

Regarding claim 4, Pfundstein discloses a method of determining a TMSI for allocation to a mobile subscriber, wherein the TMSI comprises a TMSI identification field (TMSI-IX, Fig. 1, 17) and a TMSI generation field (GP-IX, Fig. 1, 14). However, Pfundstein, Holmes, Monrad, Sawyer, Patel and Wan either alone or combination fails to disclose selecting a free TMSI field value, determining a present TMSI generation field value associated with the selected TMSI identification field value, if the free TMSI identification field value has previously been allocated since a most recent restart operation, then performing a normal allocation adjustment to the present TMSI generation field value, thereby producing an adjusted TMSI generation field value, if the free TMSI identification field value has not previously been allocated since a most recent restart operation, the performing a special allocation adjustment to the present TMSI generation field value, thereby producing the adjusted TMSI generation field value, generating a complete TMSI from the selected TMSI identification value and the adjusted TMSI generation field value, allocating the complete TMSI identity to the mobile subscriber, in response to a first type of release causing event in which the mobile subscriber is informed that the TMSI is being released, processing the TMSI identification value so that it will be considered free, and performing a normal de-allocation adjustment to the adjusted TMSI generation field value, and in response to a second type of release causing event in which

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the mobile subscriber is not informed that the TMSI is being released, processing the TMSI identification value so that it will be considered free, and leaving the adjusted TMSI generation field value unchanged, wherein the special allocation adjustment comprises changing the present TMSI generation field value as a function of a minimum integer amount that is higher than TMSI generation field values associated with a predetermined percentage of all mobile subscribers.

Regarding claim 15, the claim is interpreted and allowed for the same reason as set forth in claim 4.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Un C Cho whose telephone number is (571) 272-7919. The examiner can normally be reached on M ~ F 8:00AM to 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester Kincaid can be reached on (571) 272-7922. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
**SONNY TRINH**  
**PRIMARY EXAMINER**

Un C Cho  
Examiner  
Art Unit 2687

5/31/05 UC